

**MATERIAL SAFETY DATA SHEET**

**B-3140**

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**MATERIAL IDENTIFICATION AND USE**

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MANUFACTURER'S NAME.....PMC WATER SYSTEMS SERVICES INC.  
MANUFACTURER'S ADDRESS....124 CONNIE CRES. ,UNIT #9 CONCORD L4K 1L7  
MANUFACTURER'S PHONE #....(905) 669-8262  
EMERGENCY PHONE #.....(416) 948-5903  
PRODUCT IDENTIFIER.....B-3140  
PRODUCT USE.....WATER TREATMENT  
WHMIS CLASS.....[D2A], [D2B], E  
TDG CLASS.....CLASS 8 CORROSIVE, UN 2693, PG III

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**HAZARDOUS INGREDIENTS OF MATERIAL**

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<b>CHEMICAL IDENTITY</b>	<b>CONCENTRATION</b>	<b>CAS#/NA#/UN#</b>	<b>LD (50)</b>	<b>LC (50)</b>
SODIUM BISULPHITE	30 - 60%	7631-90-5	2000 MG/KG ORAL RAT	NO DATA AVAILABLE

All the Remaining ingredients are not classified as hazardous according to the DSL.

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**PHYSICAL DATA FOR PRODUCT**

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PHYSICAL STATE..... LIQUID  
ODOUR..... SULFID ODOUR  
SPECIFIC GRAVITY..... ~1.330 @ 25°C  
VAPOUR PRESSURE..... 8-11.5 @ 25°C  
VAPOUR DENSITY (AIR =1)... NOT AVAILABLE  
EVAPORATION RATE..... NOT AVAILABLE  
BOILING POINT..... NOT AVAILABLE  
FREEZING POINT..... NOT AVAILABLE  
pH..... 3.7 - 5.3  
COEFFICIENT WATER/OIL DISTRIBUTION...NO DATA AVAILABLE

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### FIRE AND EXPLOSION HAZARD OF PRODUCT

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## FLASH POINT AND METHOD

OF DETERMINATION..... &gt; 230°F CLOSED CUP-PENSKY-MARTENS

MEANS OF EXTINCTION..... AS FOR SURROUNDING FIRE. USE WATER  
 SPRAY, CARBON DIOXIDE, DRY CHEMICAL,  
 ALCOHOL TYPE OR UNIVERSAL TYPE FOAM  
 APPLIED BY MANUFACTURER'S RECOMMENDED  
 TECHNIQUES.

UPPER EXPLOSION LIMIT..... NOT APPLICABLE

LOWER EXPLOSION LIMIT..... NOT APPLICABLE

AUTO-IGNITION TEMPERATURE. NOT APPLICABLE

HAZARDOUS COMBUSTION

PRODUCTS..... OXIDES OF SULFUR, DISODIUM OXIDE.

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### REACTIVITY DATA

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STABILITY (NORMAL CONDITIONS)..... STABLE

INCOMPATIBLE MATERIALS..... STRONG OXIDIZING AGENTS, ACIDS.

CONDITIONS OF REACTIVITY..... NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF SULFUR, DISODIUM OXIDE.

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### TOXICOLOGICAL PROPERTIES

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## ROUTES OF ENTRY

SKIN CONTACT: CORROSIVE SKIN ABSORPTION: N/A

EYE CONTACT: YES INGESTION: YES INHALATION: YES

## ACUTE OR OVER EXPOSURE

EFFECTS..... MAY CAUSE ALLERGIC SKIN REACTIONS  
 AND SENSITIZATION. MAY CAUSE  
 ALLERGIC RESPIRATORY REACTIONS AND  
 SENSITIZATION.

CHRONIC EXPOSURE EFFECTS... TARGET ORGANS: LUNGS AND RESPIRATORY  
 SYSTEM. EYES. SKIN. IMMUNE SYSTEM  
 (E.G. ALLERGIC REACTIONS)

EXPOSURE LIMIT..... ACGIH-TLV, 5MG/KG

IRRITANCY..... MODERATE

SENSITIZATION..... MODERATE

CARCINOGENICITY..... NONE KNOWN

TERATOGENICITY..... NO DATA AVAILABLE

MUTAGENICITY..... NO DATA AVAILABLE

REPRODUCTIVE EFFECTS..... NO DATA AVAILABLE

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### PREVENTATIVE MEASURES

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PERSONAL PROTECTIVE EQUIPMENT.....	CHEMICAL IMPERVIOUS GLOVES. USE NIOSH/MSHA APPROVED RESPIRATOR. WEAR CHEMICAL SPLASH GOGGLES. FACE SHEILD. CONTACT LENSES SHOULD NOT BE WORN. CHEMICAL BOOTS. WEAR IMPERVIOUS CLOTHING.
VENTILATION.....	NORMAL ROOM VENTILATION
SPILL & LEAK.....	CONTAIN MATERIAL. COVER SPILL WITH ABSORBENT CLAY OR SAWDUST AND PLACE IN CLOSED CHEMICAL WASTE CONTAINERS. AVOID DISCHARGE TO NATURAL WATERS. OBSERVE ENVIRONMENTAL REGULATIONS.
STORAGE.....	STORE IN COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS CLOSED.

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### FIRST AID MEASURES

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SKIN CONTACT: FLUSH WITH WATER. USE SOAP IF AVAILABLE. REMOVE SEVERELY CONTAMINATED CLOTHING. GET MEDICAL ATTENTION.

INGESTION: IF CONSCIOUS, HAVE VICTIM RINSE MOUTH, THEN DRINK LARGE AMOUNTS OF WATER. CALL A PHYSICIAN IMMEDIATELY. INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULTY OR DISCOMFORT OCCURS AND PERSISTS, CONTACT A MEDICAL DOCTOR.

EYE CONTACT: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN.

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### PREPARATION INFORMATION

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PREPARED BY: LAB SERVICES	DATE PREP./REV. 2008/01/24
PMC WATER SYSTEMS SERVICES INC.	PHONE: 905-669-8262
124 CONNIE CRESCENT UNIT #9	FAX: 905-669-8252
CONCORD, ONTARIO L4K 1L7	

N/D-NO DATA N/A-NOT APPLICABLE N/E-NOT ESTABLISHED

C=ORAL R=ORAL RAT

While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc., makes no warranty; the data are offered for your consideration, investigation and verification.